

### **EXAMINER'S COMMENT**

#### ***Oath/Declaration***

Applicant is now required to submit a substitute declaration or oath to correct the deficiencies set forth:

The Oath/Declaration filed November 24, 200 is illegible. Please file a legible substitute declaration.

The substitute oath or declaration must be filed within the THREE MONTH shortened statutory period set for reply in the "Notice of Allowability" (PTO-37). Extensions of time may NOT be obtained under the provisions of 37 CFR 1.136. Failure to timely file the substitute declaration (or oath) will result in **ABANDONMENT** of the application. The transmittal letter accompanying the declaration (or oath) should indicate the date of the "Notice of Allowance" (PTOL-85) and the application number in the upper right hand corner.

### **REASONS FOR ALLOWANCE**

The following is an examiner's statement of reasons for allowance: The prior art does not teach constructing a reduced virtual representation of a 3D structure, using the reduced representation to determine amino acid position, assigning amino acid residues from predefined groups of amino acids having solvent accessibility to the amino acid positions on the reduced representation, performing a Monte-Carlo simulation in sequence space and rotamer space to each position to find the residue with the lowest

energy score, then expanding the reduced representation of the virtually represented amino acid sequence with the lowest total energy score.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### ***Contact Information***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JERRY LIN whose telephone number is (571)272-2561. The examiner can normally be reached on 7:30-6:00pm, M-TH.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marjorie A. Moran can be reached on (571) 272-0720. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Jerry Lin/

Primary Examiner, Art Unit 1631

4/1/2010